

SCIENCE.

STUFTY OF GOLD AND SILVER.—In the year 1852 the principal sources of supply throughout the world were gold and silver. In that year gold was up to \$100,000 per ounce, and silver up to \$100,000 per ounce.

GRASS SPONGE.—A vegetable growth, found in profusion on the coral reefs of the Coast of Florida, Mexico, and at the Bahamas, called grass sponge, has been used in the country, in place of hair, for stuffing sofas, chairs, and beds.

ANIS IN MOLUSCA.—M. Dumas de Paris affirms that M. de Luca has found in the liquid contained in the living mollusca about three per cent of sulphuric acid, and that the same modulus plunged into water also engages a considerable quantity of sulphuric acid.

TUNNEL UNDER THE INDUS.—The work of tunneling under this river at Attock commenced more than five years ago, and afterward abandoned, has been resumed. The entire length of this railway tunnel will be 7,155 feet. Its greatest depth below the entrance will be 192, and the distance between the bed of the river and the roof of the tunnel 20 feet.

THALIUM IN COLORADO.—Mr. Z. W. Chase, who recently discovered gold during last year's discoveries, near Breckenridge, Summit County, a silver lode bearing galena. He states that the vein is about six feet in width, and that an average sample of the ore amounts to 180 troy oz. Dr. Charles T. Jackson, contained a little over 3 per cent of the metal thallium.

ANIS IN CHOLERA.—M. Poznanski has lately investigated the effects of arsenic acid administered in minute doses in cases of cholera and intestinal fever, in which alteration and carbuncles of the blood occur. Experiments made on dogs and men prove that half a drop of arsenic acid properly administered is a remedy for cholera.

ICE.—The occurrence of ice deep in mines in Northern Europe is not unusual. In the Danemora iron mine at Presberg, in Sweden, in some places the ice is nearly four thick, and it is said to be ten feet deep. This fact, however, does not contradict the well-known law which it is often become warmer in proportion to their depth.

SUBSTITUTE FOR ANIMAL CHARCOAL.—Doctor Ziegler claims to have used with success a mixture of kaolin or pure clay and carbon, in place of animal charcoal, for refining sugar. The way is to mix a portion of paste with a solution of animal fat, oil, resin, or even wax. This is made into short cylinders about an inch in diameter, by means of wooden molds. These are pressed until they are about half an inch long, perfectly dried, and then burned in a close retort.

DEEP MINES.—The occurrence of ice deep in mines in Northern Europe is not unusual. In the Danemora iron mine at Presberg, in Sweden, in some places the ice is nearly four thick, and it is said to be ten feet deep. This fact, however, does not contradict the well-known law which it is often become warmer in proportion to their depth.

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